

## Bi-Weekly Report 1

Group: sddec20-08

### Summary:

During the period of 1/20/2020 to 2/2/2020 we primarily got to know one another in our group due to this period being the introduction to the project. The project is based on improving a few designs of trimmable resistors that are already widely utilized. We met with Dr. Geiger a couple of times during this project period and sought to gain a basic understanding of the project and its deliverables. We established a good base of understanding of the project and the next steps forward for the next few weeks.

### Accomplishments of each team member...

#### Clark Reimers:

This period, I collaborated with other team members on goals for the semester. We met with the faculty advisor and discussed the problem. After discussing the problem, we assigned roles and developed a rough game plan. I contributed by communicating with our advisor and getting our initial meeting time scheduled. I also contributed within our discussions on moving forward with my thoughts and ideas on the subject. For these two weeks, I contributed approximately 13 hours putting me at a total of 13 hours.

#### Alek Benson:

For this period of our project, I mainly established methods of communication and information sharing for the project. Scheduling meetings took some time due to our busy schedules. A meeting room was scheduled for use each week throughout the semester. We met to gain an understanding of the project and the deliverables and I achieved these goals. We also spent time meeting to work on roles for the project and the bi-weekly report. This reporting period I spent roughly 12 hours overall.

#### Oluwatosin Oyenekan:

During the first week of this period, I read the project thoroughly and tried to get a better understanding of what is expected from us. Then I met up with my team members and we discussed our initial thought of the project and where and when would we like to meet for certain tasks. For that first week I put in roughly 6 hours into 491. Then for the second week my team members and I had a meeting with our advisor and got a detailed explanation of the project. Also met up with my team to work on the reflection assignment. I had another 6 hours for this week putting me at a cumulative of 12 hours. As for this period, I didn't have any major contribution apart from sharing my ideas on our plans.

Pierce Nablo

During the first period of EE491, I learned what project I was selected to work on and I got acquainted with my team members. Then I met up with Dr. Geiger a couple times to discuss the project in order to gain a better understanding of the expectations and deliverables. For the first period I have put in 14 hours of work which mainly was writing up the reflection, the bi-weekly reflection, and meeting up with Dr. Geiger. I contributed initial ideas for what roles we should have in our team and we decided that I will be filling the Design Engineer role. I made a Google Drive folder for all of us to save our documents to and helped reserve a room in Coover to have our weekly meetings with Dr. Geiger.

Pending Issues:

Currently, our only issue is that we cannot figure out how to edit the website.

Plan:

For the next reporting period, we will work to research designs that are currently in use in industry. Everyone will research currently used trimmable resistors and then come up with an intuition on a possible circuit design that could be a trimmable resistor. We plan to communicate at our weekly meetings with slides to report our findings with Dr. Geiger. Understanding the weaknesses of current designs will be important to work towards improvements on these designs.